- Code Reflection: A brief explanation of the code and its purpose, and a brief discussion of your experience in developing it, including any issues that you encountered while completing the exercise and what approaches you took to solve them.
 - This assignment was probably the easiest for me to do and understand. The only issue I had with it was
 the absence of the removeNode function. I searched for it forever before deciding it wasn't there, then I
 had to figure out how to put it together.
- **Pseudocode or Flowchart:** A pseudocode or flowchart description of the code that is clear and understandable and captures accurate logic to translate to the programming language

```
START main()
PRINT menu()
      IF case "1":
            CALL loadBids()
      IF case "2":
            CALL InOrder():
                  CALL inOrder(root):
                        IF node IS NOT NULL:
                              RECURSIVELY CALL inOrder(left node)
                              PRINT bidID, title, amount, fund
                              RECURSIVELY CALL inOrder(right node)
            BREAK
      IF case "3":
            PRINT "Input the bid ID you would like to find: "
            INPUT bidKey
            START clock()
            bid = CALL Search(bidKey):
                  INIT "current" node AS root
                  WHILE there is stuff for "current" to do:
                        IF current bidId IS THE SAME as "bidId":
                              RETURN current bid
                        IF current bidId IS LESS THAN "bidId":
                              "current" = current left node
                        ELSE:
                              "current" = current right node
                  RETURN bid;
            END clock
            IF bid IS NOT empty:
                  CALL displayBid()
            ELSE:
                  PRINT "bid ID not found"
```

```
PRINT time in seconds
     BREAK
IF case "4":
     PRINT "Input the bid ID you would like to remove: "
      CALL Remove(bidkey):
            CALL removeNode(root, "bidId"):
                  IF node is NULL:
                        RETURN node
                  IF "bidId" IS LESS THAN node bidId:
                        Left node = CALL removeNode(left node, "bidId")
                  ELSE IF "bidId" IS GREATER THAN node bidId:
                        Right node = CALL removeNode(right node, "bidId)
                  ELSE:
                        IF left AND right node are NULL:
                              DELETE node
                              Node = NULL
                        ELSE IF left node IS NOT NULL AND right node IS NULL:
                              INIT NODE "temp" = node
                              node = left node
                              delete "temp"
                        ELSE IF right node IS NOT NULL AND left node IS NULL:
                              INIT NODE "temp" = node
                              node = right node
                              delete "temp"
                        ELSE:
                              INIT NODE "temp" = right node
                              WHILE temp left IS NOT NULL:
                                    Temp = temp left
                              Bid node = temp bid
                              Right node = CALL removeNode(right node, temp bidId)
```

RETURN node

DELETE temp

PRINT "Goodbye."